SEQUENCE LISTING

```
<110> Takeda Pharmaceutical Company Limited
<120> Novel Screening Method
<130> G05-0036
<150> JP 2003-010001
<151> 2003-01-17
<150> JP 2003-104540
<151> 2003-04-08
<150> JP 2003-194497
<151> 2003-07-09
<150> JP 2003-329080
<151> 2003-09-19
<150> PCT/JP2004/000248
<151> 2051> PCT/JP2004/000248
<151> 2053-09-019
```

<160> 22 <210> 1 <211> 361 <212> PRT

<213> Homo sapiens

<400> 1 Met Ser Pro Glu Cys Ala Arg Ala Ala Gly Asp Ala Pro Leu Arg Ser 5 10 15 Leu Glu Gln Ala Asn Arg Thr Arg Phe Pro Phe Phe Ser Asp Val Lys Gly Asp His Arg Leu Val Leu Ala Ala Val Glu Thr Thr Val Leu Val 40 Leu Ile Phe Ala Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu 55 Val Ala Arg Arg Arg Arg Arg Gly Ala Thr Ala Cys Leu Val Leu Asn 65 70 75 80 Leu Phe Cys Ala Asp Leu Leu Phe Ile Ser Ala Ile Pro Leu Val Leu
85 90 95 Ala Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Ala Cys His 100 105 Leu Leu Phe Tyr Val Met Thr Leu Ser Gly Ser Val Thr Ile Leu Thr 115 120 125 Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val His Leu Gln 130 135 140 Arg Gly Val Arg Gly Pro Gly Arg Arg Ala Arg Ala Val Leu Leu Ala 145 150 155 160 Leu Ile Trp Gly Tyr Ser Ala Val Ala Ala Leu Pro Leu Cys Val Phe 165 170 175 Phe Arg Val Val Pro Gln Arg Leu Pro Gly Ala Asp Gln Glu Ile Ser 180 185 190 Ile Cys Thr Leu Ile Trp Pro Thr Ile Pro Gly Glu Ile Ser Trp Asp 195 200 205 Val Ser Phe Val Thr Leu Asn Phe Leu Val Pro Gly Leu Val Ile Val 210 215 220 Ile Ser Tyr Ser Lys Ile Leu Gln Ile Thr Lys Ala Ser Arg Lys Arg 225 230 235 240 Leu Thr Val Ser Leu Ala Tyr Ser Glu Ser His Gln Ile Arg Val Ser 245 250 255 Gln Gln Asp Phe Arg Leu Phe Arg Thr Leu Phe Leu Leu Met Val Ser Page 1

```
Phe Phe Ile Met Trp Ser Pro Ile Ile Ile Thr Ile Leu Leu Ile Leu 275 280 285
Ile Gln Asn Phe Lys Gln Asp Leu Val Ile Trp Pro Ser Leu Phe Phe
290 295 300
Trp val val Ala Phe Thr Phe Ala Asn Ser Ala Leu Asn Pro Ile Leu
305 310 315 320
Tyr Asn Met Thr Leu Cys Arg Asn Glu Trp Lys Lys Ile Phe Cys Cys
325 330 335
Phe Trp Phe Pro Glu Lys Gly Ala Ile Leu Thr Asp Thr Ser Val Lys
340 345
Arg Asn Asp Leu Ser Ile Ile Ser Gly
<210> 2
<211> 1083
<212> DNA
<213> Homo sapiens
<400> 2
atgtcccctg aatgcgcgcg ggcagcgggc gacgcgccct tgcgcagcct ggagcaagcc
aaccgcaccc gctttccctt cttctccgac gtcaagggcg accaccggct ggtgctggcc
                                                                        120
gcggtggaga caaccgtgct ggtgctcatc tttgcagtgt cgctgctggg caacgtgtgc
                                                                        180
                                                                        240
300
ctcttctgcg cggacctgct cttcatcagc gctatccctc tggtgctggc cgtgcgctgg
actgaggcct ggctgctggg ccccgttgcc tgccacctgc tcttctacgt gatgaccctg
                                                                        360
agcggcagcg tcaccatcct cacgctggcc gcggtcagcc tggagcgcat ggtgtgcatc
                                                                        420
                                                                        480
gtgcacctgc agcgcggcgt gcggggtcct gggcggcggg cgcgggcagt gctgctggcg
540
                                                                        600
                                                                        660
                                                                        720
                                                                         780
                                                                         840
                                                                         900
                                                                         960
tccctcttct tctgggtggt ggccttcacă tttgctaatt cagccctaaa ccccatcctc
tacaacatga cactgtgcag gaatgagtgg aagaaaattt tttgctgctt ctggttccca
gaaaagggag ccattttaac agacacatct gtcaaaagaa atgacttgtc gattatttct
                                                                       1020
                                                                        1080
                                                                        1083
āac
<210> 3
<211> 361
<212> PRT
<213> Mus musculus
<400> 3
Met Ser Pro Glu Cys Ala Gln Thr Thr Gly Pro Gly Pro Ser His Thr
5 10 15
Leu Asp Gln Val Asn Arg Thr His Phe Pro Phe Phe Ser Asp Val Lys
```

```
<210> 4
<211> 1083
<212> DNA
```

```
<400> 4
 atgtcccctg agtgtgcaca gacgacgggc cctggcccct cgcacaccct ggaccaagtc
                                                                                                                                                                                                                                                                                                                                  60
 aatcgcaccc acticccttt cttctcggat gtcaagggcg accaccggtt ggtgttgagc
gtcgtggaga ccaccgttct ggggctcatc tttgtcgtct cactgctggg caacgtgtgt
                                                                                                                                                                                                                                                                                                                              120
                                                                                                                                                                                                                                                                                                                                180
 gctčtagtgc tggtggcgcg ccgtcggcgc cgtggggcga cagccagcct ggtgctcaac
                                                                                                                                                                                                                                                                                                                              240
étettetőgő eggatíttőet etteaccago gécafécéet tagtgetegt égigogetag
actgaggeet ggetgytégg gecegtegte tgecacetge tettetacgt gatgacaatg
ageggeageg teaegateet cacactggee geggteagee tggagegeat ggtgtgeate
                                                                                                                                                                                                                                                                                                                                300
                                                                                                                                                                                                                                                                                                                              360
                                                                                                                                                                                                                                                                                                                              420
 gtgcgcctcc ggcgcggctt gagcggcccg gggcggcgga ctcaggcggc actgctggct
                                                                                                                                                                                                                                                                                                                              480
ttcatatggg gttactcggc gctcgccgcg ctgcccctct gcatcttgtt ccgcgtggtc
ccgcagcgcc ttcccggcgg ggaccaggaa attccgattt gcacattgga ttggcccaac
                                                                                                                                                                                                                                                                                                                              540
                                                                                                                                                                                                                                                                                                                              600
cgcataggag aaatctcatg ggatgtgttt tttgtgactt tgaacttcct ggtgccggga
ctggtcattg tgatcagtta ctccaaaatt ttacagatca cgaaagcatc gcggaagagg
                                                                                                                                                                                                                                                                                                                              660
                                                                                                                                                                                                                                                                                                                              720
cttacgctga gcttggcata ctctgagagc caccagatcc gagtgtcca acaagactac
cgactcttcc gcacgctctt cctgctcatg gtttccttct tcatcatgtg gagtccca
atcatcacca tcctcctcat cttgatccaa aacttccggc aggacctggt catctggca
                                                                                                                                                                                                                                                                                                                              780
                                                                                                                                                                                                                                                                                                                                840
                                                                                                                                                                                                                                                                                                                              900
actaticatica tectorial consistence and actacognization and actacognization and actacognization and actacognization actacognization and actacognization actacog
 āgč
                                                                                                                                                                                                                                                                                                                           1083
```

```
<210> 5
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
```

<213> Mus musculus

<223> primer

<400> 5

```
20
gctgtggcat gcttttaaac
<210> 6
<211> 20
<212> DNA
<213> Artificial Sequence
<220>
<223> primer
<400> 6
                                          20
cgctgtggat gtctatttgc
<210> 7
<211> 30
<212> DNA
<213> Artificial Sequence
<220>
<223> primer
<400> 7
agttcatttc cagtaccctc catcagtggc
                                          30
<210> 8
<211> 361
<212> PRT
<213> Rattus norvegicus
<400> 8
Met Ser Pro Glu Cys Ala Gln Thr Thr Gly Pro Gly Pro Ser Arg Thr
Pro Asp Gln Val Asn Arg Thr His Phe Pro Phe Phe Ser Asp Val Lys
Gly Asp His Arg Leu Val Leu Ser Val Leu Glu Thr Thr Val Leu Gly
         35
Leu Ile Phe Val Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu 50 55 60
val val Arg Arg Arg Arg Gly Ala Thr val Ser Leu Val Leu Asn
65 70 75 80
Leu Phe Cys Ala Asp Leu Leu Phe Thr Ser Ala Ile Pro Leu Val Leu
85 90 95
Val Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Val Cys His
Leu Leu Phe Tyr Val Met Thr Met Ser Gly Ser Val Thr Île Leu Thr
Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val Arg Leu Arg
                        135
                                              140
Arg Gly Leu Ser Gly Pro Gly Arg Arg Thr Gln Ala Ala Leu Leu Ala
                    150
                                          155
Phe Ile Trp Gly Tyr Ser Ala Leu Ala Ala Leu Pro Leu Cys Ile Leu
165 170 175
Phe Arg Val Val Pro Gln Arg Leu Pro Gly Gly Asp Gln Glu Ile Pro
                                 185
Ile Cys Thr Leu Asp Trp Pro Asn Arg Ile Gly Glu Ile Ser Trp Asp
        195
                             200
Val Phe Phe Val Thr Leu Asn Phe Leu Val Pro Gly Leu Val Ile Val 210 215 220
```

Ile Ser Tyr Ser Lys Ile Teu Gln Ile Thr Lys Ala Ser Arg Lys Arg 225 Leu Thr Leu Ser Leu Ala Tyr Ser Glu Ser His Gln Ile Arg val Ser 245 Gln Gln Asp Tyr Arg Leu Phe Arg Thr Leu Phe Leu Leu Met val Ser 260

```
Phe Phe Ile Met Trp Ser Pro Ile Ile Ile Thr Ile Leu Leu Ile Leu
            275
                                        280
                                                                    285
Ile Gln Asn Phe Arg Gln Asp Leu Val Ile Trp Pro Ser Leu Phe Phe
                                  295
                                                              300
Trp Val Val Ala Phe Thr Phe Ala Asn Ser Ala Leu Asn Pro Ile Leu
                            310
                                                         315
305
                                                                                     320
Tyr Asn Met Ser Leu Phe Arg Ser Glu Trp Arg Lys Ile Phe Cys Cys
325 330 335
Phe Phe Pro Glu Lys Gly Ala Ile Phe Thr Glu Thr Ser Ile Arg
                 340
                                             345
Arg Asn Asp Leu Ser Val Ile Ser Thr
<210> 9
<211> 1083
<212> DNA
<213> Rattus norvegicus
<400> 9
atgtcccctg agtgtgcgca gacgacgggc cctggcccct cgcgcacccc ggaccaagtc
                                                                                                  60
aatcgcaccc acttcccttt cttctcggat gtcaagggcg accaccggct ggtgctgagc
                                                                                                 120
gtcctggaga ccaccgttct gggactcatc tttgtggtct cactgctggg caacgtgtgt
                                                                                                 180
gccctggtgc tggtggtgcg ccgtcggcgc cgtggggcga cagtcagctt ggtgctcaac
ctcttctgcg cggatttgct cttcaccagc gccatccctc tagtgctcgt ggtgcgctgg
actgaagcct ggctgctggg gcccgtcgtc tgccacctgc tcttctacgt gatgaccatg
agcggcagcg tcacgatcct cacgctggcc gcggtcagcc tggagcgcat ggtgtgcatc
                                                                                                 240
                                                                                                 300
                                                                                                 360
                                                                                                 420
gtgcgcctgc ggcgcggctt gagcggcccg gggcggcgga cgcaggcggc gctgctggct
                                                                                                 480
ttcatatggg gttactcggc gctcgccgcg ctgcccctct gcatcttgtt ccgcgtggtc
                                                                                                 540
ccgcagcgcc ttcccggcgg ggaccaggaa attccgattt gcacattgga ttggcccaac
                                                                                                 600
cgcataggag aaatcīcaīg ggatgtgītt tttgtgactt īgaacticct ggīaccagga
ciggtcattg tgatcagcta ciccaagatt ttacagatca cgaaagccic gcggaagagg
ctygitally systiageta cicaagasi classgate gagagates cyaaagetti gyggagatac citacgetga gettigetet ettegetaati gitteette tateatig gagtecaate cateateaca tectecteat ettigateaa actateacaca tectectaa ettigateaa actateacaca etcetettet ettigateag aattateacaca coccatatig tateacacatif cgctyttaa gagagagatig aggaaagatt titgetett ettiticca
                                                                                                 780
                                                                                                 840
                                                                                                 900
                                                                                                 960
                                                                                                1020
gagaagggag ccatttttac agaaacgtct atcaggcgaa atgacttgtc tgttatttcc
                                                                                                1080
                                                                                                1083
ācc
<210> 10
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> primer
<400> 10
                                                          19
gtggtggcct tcacgtttg
<210> 11
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> primer
<400> 11
                                                           19
cactcctgaa cagcgacat
<210> 12
<211> 26
<212> DNA
```

<220> <223>	probe	
<400> caact	12 ccgcc ctaaacccca ttctgt	26
<210> <211> <212> <213>	33	
<220> <223>	primer	
<400> gtcga	13 catgt cccctgagtg tgcgcagacg acg	33
<210> <211> <212> <213>	33	
<220> <223>	primer	
<400> gctage	14 cttag gtggaaataa cagacaagtc att	33
<210> <211> <212> <213>	23	
<220> <223>	primer	
<400> tccga	15 gtgtc ccaacaagac tac	23
<210> <211> <212> <213>	24	
<220> <223>	primer	
<400> gactc	16 cacat gatgaagaag gaaa	24
<210> <211> <212> <213>	22	
<220> <223>	probe	
<400> ccgca	17 cgctc ttcctgctca tg	22
<210>	18 Page	6

<213> Artificial Sequence

```
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> primer
<400> 18
gtggtggcct tcacgtttg
                                              19
<210> 19
<211> 19
<212> DNA
<213> Artificial Sequence
<220>
<223> primer
<400> 19
cgctcctgaa cagcgacat
                                               19
<210> 20
<211> 26
<212> DNA
<213> Artificial Sequence
<220>
<223> probe
<400> 20
caactccgcc ctaaacccca ttctgt
                                               26
<210> 21
<211> 21
<212> DNA
<213> Artificial Sequence
<223> base sequence of the sense strand of siRNA m14i561
<220>
<22U>
<221> misc_DNA
<222> (20)..(21)
<223> n stands for deoxy thymidine
<400> 21
ggaccaggaa auuccgauun n
                                              21
<210> 22
<211> 21
<212> DNA
<213> Artificial Sequence
<223> base sequence of the antisense strand of siRNA m14i561
<220>
<221> misc_DNA
<222> (1)..(2)
<223> n stands for deoxy thymidine
<400> 22
nnccuggucc uuuaaggcua a
                                              21
```